

Inter-disciplinary Collaborative Practice



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Collaboration – what does it take?



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Literature review

- Standardization of evidence-based interdisciplinary team work training and education
(Contratti et al., 2012; Miller & Miller, 2013; Maxfield, et al., 2013; Riley et al., 2016)
- Communication, common terminology and inter-professional teamwork
(Contratti et al., 2012; Harper and Maloney, 2016; Klipfel et al., 2014; Lyndon, 2006; Lyndon et al., 2011; Lyndon et al., 2015; Matzke et al., 2014; Maxfield et al., 2013; Riley et al, 2016; Simpson, 2005)
- Timeliness of Interventions (Lyndon et al., 2015; Riley et al., 2016)
- Impact on Morbidity and Mortality (IOM, 1999: IOM, 2001)

How can nurses and
physicians facilitate
collaboration??

Houston Medical Center



Initial Steps: Where To Begin

- Appointments with key nurses and physicians (champions)
- Sharing of concerns and provision of supportive research/literature
- Assessment of potential interest in an all day inter-professional conference
- Selection of speakers to lead the conference

Attendee Composition

- Nurses
 - Staff nurses
 - Nurse educators
 - Nursing directors/managers
 - Risk managers
- Obstetrical caregivers
 - Obstetricians – including physician champions
 - Nurse midwives

Program Development

- Content
 - Communication problems
 - Knowledge variances
 - Inter-professional teamwork issues
- Methods of presentation

Logistics

- Location
- Registration (how will do)
- Fee - \$100/person
- Contact hour application
- Food menu
- Handouts

Format of Workshop

- 0800 -1 600
- Contact hours provided
- Round tables for networking
- Assigned seating
- “Scrambled” seating for afternoon
- Use of “clickers”
- “Informal time” for questions post-conference with speaker

Active Learning Components

- Clickers
- Pre and Post tests
- Group fetal monitor strip activities for afternoon session
- Question and answer sessions throughout the day
- Informal post-conference session to answer any additional questions

Conference Registrants/Attendees

95	84 nurses
37	23 physicians
2	2 NP's
1	0 Risk Manager
2	1 CNM
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137 Total	110 Total

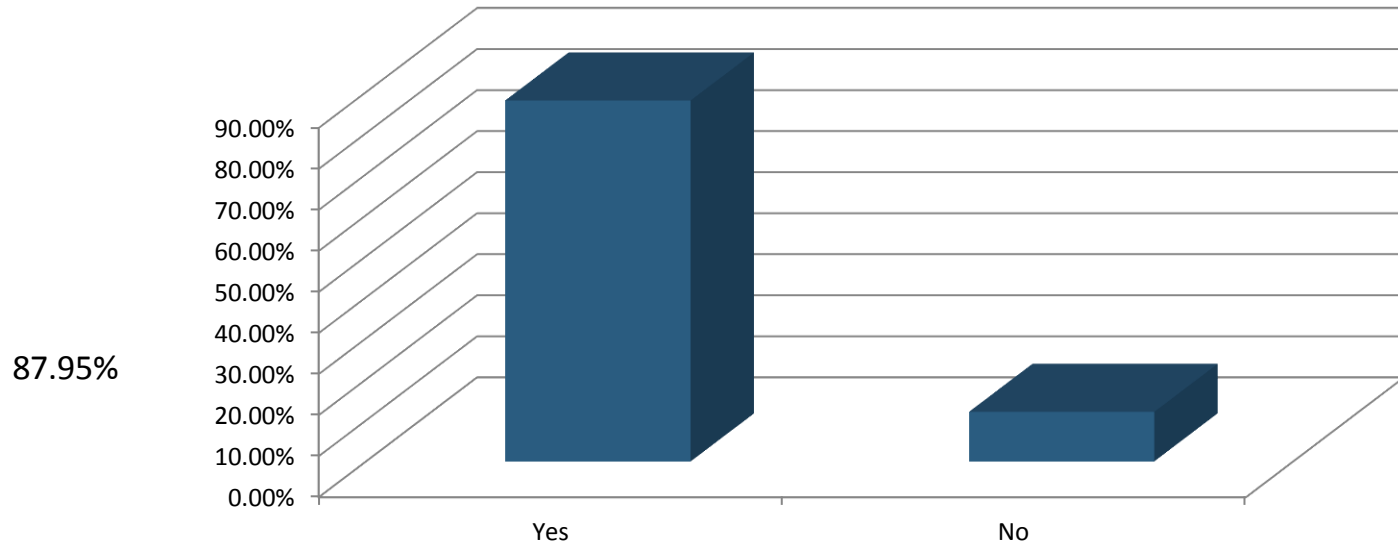
Research Component of Inter-professional Approach

Purpose: explore the effectiveness of a inter-professional educational workshop with active learning components to stimulate workplace collaborative efforts in the domains of team member knowledge, communications and perinatal safety.

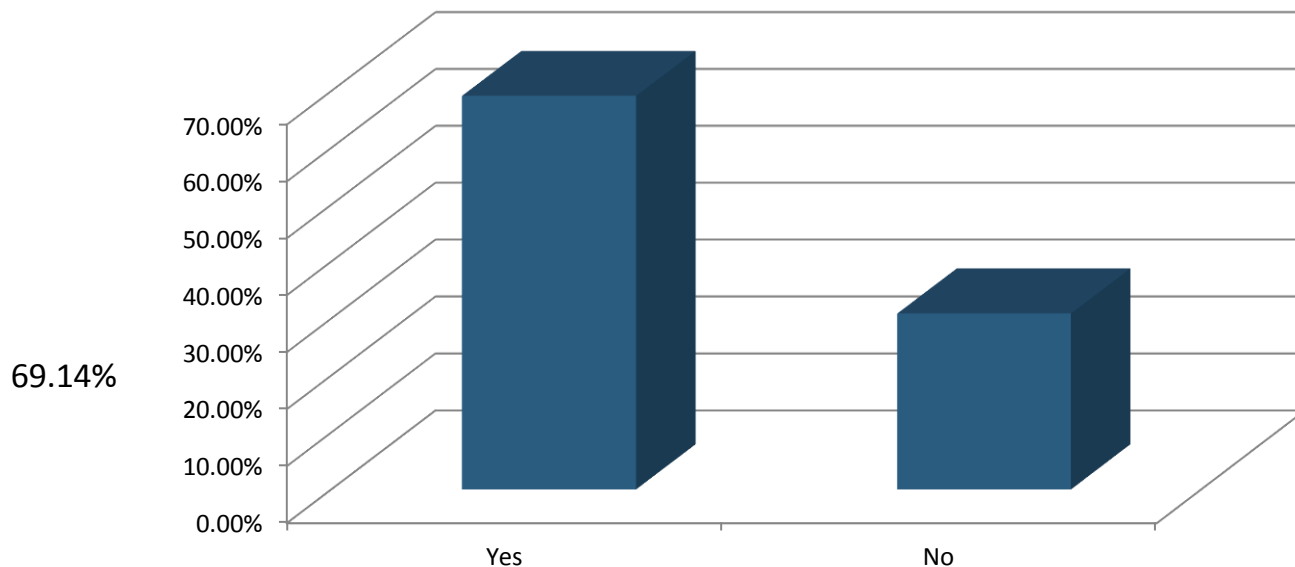
Type of Study

- Quantitative and Qualitative longitudinal design study (Panel Study)
- Instruments: Demographic tool: sex, age, profession, years of experience current role, number of births at facility
Pre- and Post- test: quantitative results
Several questions with qualitative responses
- Analysis: percentages, means, linear regression model to identify significant predictors from demographics for percent of correct responses

Question: In the past 6 months, have you been aware of any interdisciplinary communication problems in your workplace that you feel have impacted patient outcome(s)?



Question: In the past 6 months, have you been aware of any interdisciplinary patient safety issues that you feel have resulted in avoidable patient morbidity or mortality?



Pre/Post test comparison of correct answers

	Pre-test	Pre-test	Post-test	Post-test
	# of Questions	% Correct	# of Questions	% Correct
Overall Correct Response	10	40.97%	10	59.09%
Content Correct Response	9	41.08%	9	58.33%
Categories Correct Response	1	40.00%	1	65.90%

Implementation approaches (post-conference)

- Education: Presentation
Meeting
Post test
Online module
Education comparison
Perinatal educator
MFM Drs regular mtg
FHR Interpretation
- Transfer of knowledge through peers
- Formulate a plan
- Academic environment
- Little support from administration for more education

Hindrances which impact perinatal safety

Challenges	N	%
Time constraints	13	29.5%
Engagement of physicians	9	20.5%
Staffing issues	8	18.2%
Engagement of nursing staff	7	15.9%
Costs of Implementation	5	11.4%
Costs of training	3	6.8%
Support from administration	2	4.5%
No need to implement	2	4.5%
Already implemented	2	4.5%

Lessons Learned

- One conference does not change behavior
- Participants identified a need for the provision of educational offerings
- A follow-up luncheon session with key physician and nurse participants proved extremely helpful for determining next steps
- Those who attended were passionate about this approach for inter-professional learning and interaction

Strategies to effectively engage physicians

- Utilized already existing personal relationships to engage physicians
- Aligned the support of medical department Chairs
- Mailed brochures to MD individuals and partnership groups
- Engaged Directors of Nursing to have hospital representation of physicians and nurses at the Conference
- Capitalized on the respect and popularity of our keynote speakers, Miller and Miller, to engage physician participation

Longterm Goals

- Community standardization of processes & tools to decrease maternal morbidity and mortality
- Promotion of a Houston area culture of safety thru effective physician/nurse relationships
- Community standardization of education and teamwork for physicians and nurses from local university level through areas of practice
- Hospital champions to ensure sustainability of proposed standardization

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Teşekkür ederim

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Thank you

Danke

Gracias

Спасибо

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Terima kasih

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